AMAX panel 2100 family

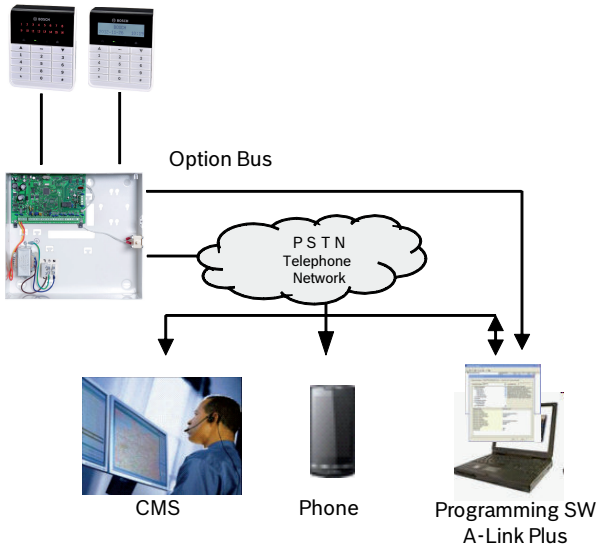
www.boschsecurity.com

BOSCH
Invented for life

- 8 Hardwired zones / 2 Areas / 64 User codes
- 3 x 256 Events log stamped with date and time
- On-board voice dialer
- Macro functionality
- USB direct connection

The intrusion alarm system AMAX panel 2100 family is designed for residential and small to medium-sized businesses. It offers 8 zones and 2 areas and comes with an enclosure and a transformer.
An on-board PSTN dialer transmits an alarm via the common telephone network to a phone and / or a communication center while at the same time a voice message is sent to the owner's landline or mobile phone to inform him about an intruder's presence.
Commissioning the system is simple and involves minimum programming: the default settings already cover 90 % of the available functionality. Programming can either be done via the AMAX TEXT, LCD and LED keypads or via the programming software (A-Link Plus).
The intrusion system can be used with hardwired detectors from Bosch.

System overview



Functions

The AMAX panel 2100 family is an 8 zone / 2 area intrusion panel with enclosure and transformer. The system includes a PSTN dialer to transmit an alarm via the common telephone network. Transmit an alarm to a phone and a communication center. Program the control panel easily with the AMAX TEXT, LCD and LED keypads or through the remote programming software (A-Link Plus).

Basic functions

- Keypad code STAY / AWAY Arming
- One button STAY / AWAY Arming
- On-board dialer with CID / SIA transmission format. Voice dialer transmits up to 4 recorded messages to landline/mobile phones in case of an alarm. Record messages with a PC and send to the control panel with the remote programming software, A-Link Plus.
- Up to 16 weekly schedules and exceptions can be programmed in the calendar.
- 3 programmable macros: several single functions from the keypad are combined to one customer macro function and executed by pressing one button.
- Program the control panel with the new release of remote programming software A-Link Plus. All control panel and status information is accessible.
- Execute remote maintenance operations (e.g. Walk Test, Bypass).
- In multi area set-up (direct and multiple arming), “area status” is displayed.
- Display Area Name in the master keypad.
- 3 on-board outputs (two monitored)
- Use any zone with four-wire fire detectors.
- Use any zone with Chime Mode (door bell)
- Use any zone to detect Sensor Tamper (DEOL)
- Test Mode for outputs and zones

Optional functions

- Zone inputs on extension modules (with DX2010)
- Relay outputs on Extension module (with DX3010)
- Connect outdoor sirens and IP cameras to an optional 8 relay module (DX3010)
- Programming key

Optional Alarm Transmission

- IP communication with Bosch Conettix IP / SIA DC09 (UDP) Protocol via B426 module
- GPRS communication with Bosch Conettix IP I / SIA DC09 (UDP) Protocol via B450 module

Optional Remote Programming

- IP (B426 module)
- GPRS (B450 module)

Optional Video Alarm Verification

Realized in combination with the DX3010 8 relay module and the IP 200 camera series of Bosch. The live video verification ensures a location check and false alarm reduction via Internet from every location worldwide. This means that you or the monitoring center can get alarm notification in order to detect the exact location the alarm was triggered and if a real intruder is present.

Compatibility Information

Basic	
PSTN Communicator (Integrated)	Formats: Contact ID, SIA
Magnetic Contacts (1)	All magnetic contacts, including recessed, terminal connection, miniature over-head door, and surface mount.
Intrusion Detectors (1)	All conventional intrusion detectors, including Blue Line, seismic, PIR, TriTech, photoelectric and TriTech PIR Microwave.
Four-wire Smoke Detectors (1, 2)	Conventional 12V smoke, heat and photoelectric smoke detectors.
Optional (1, 2)	
Zone	DX2010 zone input module
Relays	DX3010 output module
IP-Communicator	B426 Ethernet Network Interface Module
GPRS/GSM Communicator	B450 Module

Assorted literature is available. Refer to the appropriate datasheet, brochure, and installation guide for additional data.
Availability varies according to sales region.

Certifications and approvals

Region	Certification	
Europe	CE	AMAX panel 2100 family, AMAX panel 3000 family
	EN50131	EN-ST-000166 ICP-AMAX2-P2-EN, ICP-AMAX2-P3-EN, ICP-AMAX3-P2-EN, ICP-AMAX3-P3-EN
France	AFNOR	1223400002 ICP-AMAX2-P2-EN, ICP-AMAX2-P3-EN
Sweden	INTYG	14-523 ICP-AMAX2-P3-EN

Parts included

CTN	Pcs	Description
AMAX panel 2100 family	1	8 zone / 2 areas intrusion panel with enclosure and transformer, tamper, integrated PSTN-Communicator
	1	User Manual

Technical specifications

Electrical

Power supply type	EN = A
Transformer	
Transformer input in VAC	230
Transformer output in VAC	18
Transformer AC power in VA	20
Transformer fuse in mA	500
AC input	
Minimum operating voltage in VDC	195
Maximum operating voltage in VDC	253
Line voltage frequency in Hz	50
DC output	
DC output maximum current for all components in mA	1100
DC output maximum current for all components: dependency on battery	• Battery 7Ah standby 12h (recharge Batt 80% in 72h) = 550mA • Battery 7Ah standby 36h + 15min alarm current 500mA (recharge Batt 80% in 72h) = 150mA
Aux 1 / 2 output	
Aux 1 / 2 output voltage	+12V / GND
Aux 1 / 2 nominal output voltage under AC line input in VDC	13.8 (+3% / -5%)
Aux 1 / 2 output max. Vpp in mV	675
Aux 1 / 2 output voltage range under AC line input in VDC	12.82 – 13.9
Aux 1 / 2 output current in mA	500
Outputs	
PO -1 / PO -2 maximum supervised output current in mA	500
PO -3 maximum current in mA	100
Option bus	
Option bus nominal output voltage under AC line input in VDC	13.8 (+3% / -5%)
Option bus output voltage range under AC line input in VDC	13.11 – 14.2
Option bus 1 maximum current in mA	500
Panel PCB maximum quiescent current in mA	100
Battery	
Battery type	12 V / 7 Ah Bosch D 126
Low battery condition in VDC	below 11.0
Minimum battery condition in VDC	10.8

Mechanical

Dimension in cm (H x W x D)	26.0 x 28.0 x 8.35
Weight in g	1950
Panel features	
Number of zones	8
Number of users	64
Number of events	256 history events, stamped with time, and date 256 EN history events, stamped with time, and date 256 dialer history events, stamped with time, and date
Pin code variations	1000000
Number of devices	
Number of keypads	4
Number of DX 3010 modules	1
Number of DX 4010 modules	1
Number of GPRS modules: B450 with B442 or B443, DX4020-G	Up to 2 different GPRS modules, each GPRS module can only be connected once
Number of IP modules: B426	2 (1 if 1 of the GPRS modules above is connected, 0 if 2 of the GPRS modules above are connected)
Zones	
Zone 1	Single or dual end-of-line (EOL 2,2KΩ) NC, NO
Zone 2 – 16 COM	7 Single or dual end-of-line (EOL 2,2KΩ) NC, NO
Tamper	Enclosure tamper input (does not reduce point capacity)
Option bus	
Dimensions in mm	4 wire, Ø 0.6 – 1.2
Maximum cable length in m	200 (panel to last keypad)
Maximum bus length in m	700 (maximum 14 devices, maximum 8 keypads)

Environmental

Minimum operating temperature in °C	-10
Maximum operating temperature in °C	55
Minimum relative humidity in %	10
Maximum relative humidity in %	95
Protection class	IP 30, IK 06

Ordering information

AMAX panel 2100
Language Package 1: English, Polish, Turkish
This product variant is not certified according to European standards.
Order number **ICP-AMAX2-P1**

AMAX panel 2100 EN
Language Package 2: French, German, Dutch, Portuguese
Order number **ICP-AMAX2-P2-EN**

AMAX panel 2100 EN
Language Package 3: English, Spanish, Polish, Swedish
Order number **ICP-AMAX2-P3-EN**

Accessories

AMAX keypad 2000 D8
AMAX keypad 2000 D8, 8 zones LCD Icon keypad.
Order number **IUI-AMAX-LCD8**

AMAX keypad 3000 L8
AMAX keypad 3000 L8 is a 8 zone LED keypad.
Approval: EN 50131-3 Grade 2
Order number **IUI-AMAX3-LED8**

AMAX keypad 3000 L16
AMAX keypad 3000 L16 is a 16 zone LED keypad.
Approval: EN 50131-3 Grade 2
Order number **IUI-AMAX3-LED16**

AMAX keypad 4000 T
AMAX keypad 4000 T, LCD text keypad, two lines with each 18 characters.
Order number **IUI-AMAX4-TEXT**

ICP-EZPK Programming Key
Blue key for transferring information to and from Easy Series Intrusion Control Panels.
Order number **ICP-EZPK**

DX2010 Input Expander
Zone expansion module with 8 DOEL zone inputs.
Order number **DX2010**

DX3010 Octo-output Expander
Package includes only the DX3010 board.
Order number **DX3010**

AE20EN Enclosure
AE20EN plastic enclosure for DX2010/DX3010.
Order number **AE20EN**

B426 Ethernet Communication Module
Supports two-way communications over Ethernet networks for compatible control panels.
Order number **B426**

B442 Conettix Plug-in GPRS Cellular Communicator
Multi-function cellular communicator that provides IP communication over a (GPRS) cellular network.
Order number **B442**

B443 Conettix Plug-in HSPA+ Cellular Communicator
Multi-function 3G/4G cellular communicator providing IP communication over a GPRS/EDGE/UMTS/HSPA+ cellular network.
Order number **B443**

B450 Conettix Plug-in Communicator Interface
Supports two-way IP communication over commercial cellular networks using a plug-in Cellular Communicator for compatible control panels.
Order number **B450**

Represented by:

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:
Bosch (Shanghai) Security Systems Ltd.
203 Building, No. 333 Fuquan Road North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:
Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com

© Bosch Security Systems 2015 | Data subject to change without notice
13936253195 | en, V15, 13. Apr 2015